

Factory-Verified Replacement

MERYDOM 32-0641-01

Certified for interchange with ROLLIX 32-0641-01. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

LEVEL 3 - MERYDOM ENGINEERING VERIFIED

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

MERYDOM MODEL

32-0641-01

REFERENCE

ROLLIX 32-0641-01

SERIES

32 Series

STRUCTURE

Cuscinetto a sfere di serie leggera

OVERALL OD

716 mm

OVERALL ID

546 mm

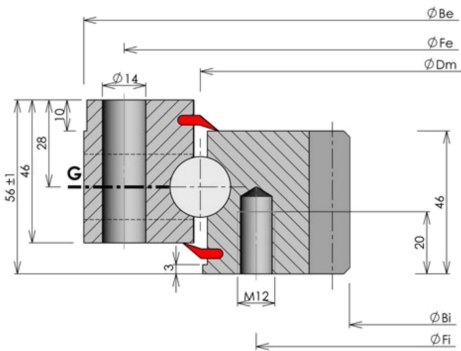
OVERALL HEIGHT

56 mm

GEAR

Dentatura interna

Published Technical Drawing



rollix-page-095-drawing.webp

# Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

| MERYDOM CERTIFIED PRODUCT            |                                        |
|--------------------------------------|----------------------------------------|
| Product brand                        | MERYDOM                                |
| MERYDOM model                        | 32-0641-01                             |
| Certified interchangeable with       | ROLLIX 32-0641-01                      |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | 5J55R6XD4GICBY66HY5QU37P43             |
| MATERIALS                            |                                        |
| Configurable ring material options   | 42CrMo / 50Mn                          |
| Seal material                        | NBR - Nitrile rubber                   |
| Configurable spacer material options | Engineering nylon / Brass              |
| IDENTIFICATION                       |                                        |
| Reference brand                      | ROLLIX                                 |
| Reference series                     | 32 Series                              |
| Reference model                      | 32-0641-01                             |
| Bearing structure                    | Cuscinetto a sfere di serie leggera    |
| Gear arrangement                     | Dentatura interna                      |
| DIMENSION                            |                                        |
| Overall height (HT)                  | 56 mm                                  |
| Overall outside diameter (Dia De)    | 716 mm                                 |
| Outer ring height (He)               | 46 mm                                  |

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| DIMENSION (CONTINUED)                                |        |
|------------------------------------------------------|--------|
| Overall inside diameter (Dia Di)                     | 546 mm |
| Inner ring height (Hi)                               | 46 mm  |
| Assembly weight (Weight)                             | 50 kg  |
| MOUNTING                                             |        |
| Outer ring pilot diameter (Dia Ce)                   | 714 mm |
| Inner ring pilot diameter (Dia Ci)                   | 639 mm |
| Outer ring hole type (External ring hole type)       | Th     |
| Outer ring bolt circle (Dia Fe)                      | 690 mm |
| Outer ring mounting-hole count (Ne)                  | 36     |
| Outer ring mounting-hole specification (Dhe)         | 14 mm  |
| Inner ring hole type (Inner ring hole type)          | Bd     |
| Inner ring bolt circle (Dia Fi)                      | 605 mm |
| Inner ring mounting-hole count (Ni)                  | 36     |
| Inner ring mounting-hole specification (Dhi)         | M12 mm |
| GEAR                                                 |        |
| Gear module (Module)                                 | 6 mm   |
| Gear tooth count (Z)                                 | 93     |
| Gear face width (W)                                  | 46 mm  |
| PERFORMANCE                                          |        |
| Gear capacity, unhardened (Gear capacity unhardened) | 40 kN  |

Complete Product Data

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| MISCELLANEOUS                                       |                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Ring with greasing holes (Ring with greasing holes) | E                                                                                                         |
| Greasing hole type (Greasing hole type)             | R                                                                                                         |
| PERFORMANCE RATINGS                                 |                                                                                                           |
| Rating Gear Capacity Unhardened                     | 40 kN   Not simultaneous with other listed dynamic ratings                                                |
| MOUNTING INTERFACES                                 |                                                                                                           |
| Outer ring mounting                                 | 36 holes - External ring hole type Th; Dhe 14 mm                                                          |
| Inner ring mounting                                 | 36 holes - Inner ring hole type Bd; Dhi M12 mm                                                            |
| GEAR INTERFACE                                      |                                                                                                           |
| Pitch system                                        | module                                                                                                    |
| Module reference                                    | 6 mm                                                                                                      |
| Number of teeth                                     | 93                                                                                                        |
| SOURCE TRACEABILITY                                 |                                                                                                           |
| Source document code                                | ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07                                                                    |
| Source file                                         | ROLLIX.pdf                                                                                                |
| PDF page                                            | 95                                                                                                        |
| Printed page                                        | 95                                                                                                        |
| Source language                                     | EN                                                                                                        |
| Original unit system                                | Metric                                                                                                    |
| PUBLISHED TECHNICAL MEDIA                           |                                                                                                           |
| Load Curve Chart                                    | rollix-page-095-curve.webp   SHA-256:<br>da39b5c4bb522fc898f6acb6a64369a174df31ad2edfdc3d64f0c45e4a403834 |

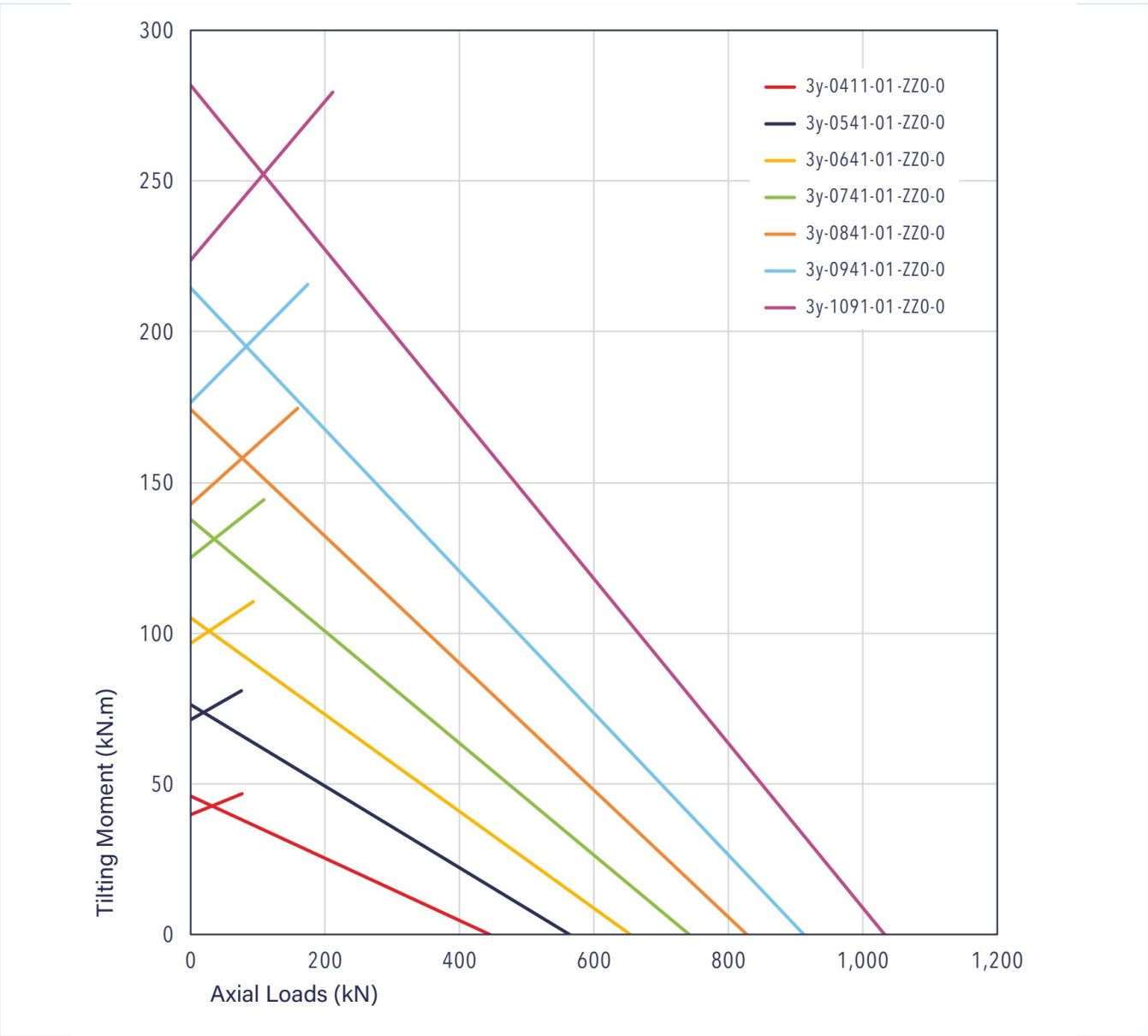
Complete Product Data

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| PUBLISHED TECHNICAL MEDIA (CONTINUED) |                                                                                                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Outline Drawing                       | rollix-page-095-drawing.webp   SHA-256:<br>edc883d70438e98afba27006db82e90d761cc1d92be9242fe5c8bf1baf8c23d6 |

Published Load / Performance Chart

Use the published chart as a preliminary selection aid only. The model legend, curve family and source document must be reviewed together with the operating load case.



rollix-page-095-curve.webp | SHA-256: da39b5c4bb522fc898f6acb6a64369a174df31ad2edfdc3d64f0c45e4a403834

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

Source and Verification Traceability

|                                                                               |                                                                              |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>5J55R6XD4GICBY66HY5QU37P43</div>            | <div>SOURCE DOCUMENT</div> <div>ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07</div> |
| <div>SOURCE FILE</div> <div>ROLLIX.pdf</div>                                  | <div>SOURCE LOCATION</div> <div>PDF page 95   Printed page 95</div>          |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering<br/>Verified</div> | <div>REVIEWED BY</div> <div>MERYDOM Engineering Department</div>             |

Engineering Confirmation Boundary

- 1

Confirm the exact model designation and all installation-envelope dimensions.
- 2

Confirm mounting-hole quantity, bolt circle, hole specification, bolt grade and preload.
- 3

Confirm gear arrangement, pitch system, tooth count, backlash and mating-pinion data.
- 4

Confirm axial, radial and moment loads, load combinations, duty cycle and required life.
- 5

Confirm support flatness and stiffness, lubrication, sealing, temperature and environment.
- 6

Final drawing revision, manufacturing tolerances and documentation package are confirmed with the quotation.

Request Price, Delivery and Final Engineering Confirmation

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/rollix/32-0641-01/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.